Amendments to the Claims:

1. (Currently Amended) A method of proliferating eukaryotic NSO cells, comprising the step of introducing synthetic low density lipoprotein (sLDL) particles to an NSO cell culture and allowing NSO cells in the culture to proliferate, wherein the NSO cell culture lacks foetal calf serum (FCS), and wherein the sLDL particles comprise cholesterol and/or cholesterol ester, and wherein a total concentration of the cholesterol and cholesterol ester is greater than 0.08 mg/ml of a culture medium.

2. (Canceled)

3. (Previously Presented) The method according to claim 1 wherein the sLDL particles comprise a peptide and wherein culturing NSO cells in the presence of the sLDL particles comprising a peptide increases NSO cell proliferation by at least 50% relative to NSO cells cultured in the absence of the sLDL particles comprising said peptide and in the presence of foetal calf serum (FCS) or other serum-free lipid supplements.

4 – 14. (Canceled)

15. (New) A method of proliferating eukaryotic cells, comprising the step of introducing synthetic low density lipoprotein (sLDL) particles to a cell culture and allowing cells in the culture to proliferate, wherein the cell culture lacks foetal calf serum (FCS) and wherein the sLDL particles comprise cholesterol and/or cholesterol ester, and wherein a total concentration of the cholesterol and cholesterol ester is greater than 0.08 mg/ml of a culture medium.

16. (New) The method of claim 15, wherein the sLDL particles comprise a peptide and wherein culturing eukaryotic cells in the presence of the sLDL particles comprising a peptide increases eukaryotic cell proliferation by at least 50% relative to the eukaryotic cells cultured in

the absence of the sLDL particles comprising said peptide and in the presence of foetal calf serum (FCS) or other serum-free lipid supplements.

17. (New) A method of making sLDL particles comprising:

a) preparing a mixture of a lipid component (L-component), a solvent and an aqueous phase, wherein said aqueous phase comprises an emulsifier;

b) performing microfluidisation on said mixture; and

c) removing said solvent from the mixture.